

**PROCEDURES FOR CHECKING STRAIGHTEDGES
AASHTO T 99, T 134 AND T 180**

A. PURPOSE

This method provides instruction for checking straightedges for length, beveled edge trueness and physical condition.

B. APPARATUS REQUIRED

1. Feeler gauge readable to .001 inch (.025 mm)
2. Approximately one foot square of plate glass.
3. Ruler with a minimum length of 12.0 inches (300 mm) and readable to 0.0625 inch (1 mm)

C. PROCEDURE

1. Clean and remove all matter from straightedge.
2. Measure length of straightedge and record.
3. Place the beveled edge of the straightedge diagonally and perpendicular to the plate glass. Check trueness by placing the feeler gauge set at .010 inch (.25 mm) along the length of the beveled edge of the straightedge. The feeler gauge should remain in contact with the beveled edge. Any straightedge not meeting this requirement should be discarded and replaced.

D. TOLERANCE

Straightedges in use shall meet the specified tolerances in AASHTO Methods T 99, T 134, T 180.

EQUIPMENT VERIFICATION RECORD

Verified By: _____	Date: _____
Equipment: <u>Straight edge used during AASHTO T 99,</u> <u>T 134, and T 180</u>	Location (Lab): _____
Identification No.: _____	Verification Frequency: <u>6 months</u>
Previous Verification Date: _____	Net Due Date: _____
Verification Equipment Used: Feeler gauge (readable to 0.001 in. [.025 mm]), ID No.: _____	
One sq. ft. Plate Glass Ruler (12-inch [300 mm], readable to 1/16 in.[2 mm]), ID No. _____	
Verification Procedure: _____	

STRAIGHT EDGE NUMBER

Minimum Length 10.0 in. (25 mm)?

Beveled edge true to 0.010 in. (.25 mm) throughout length?

Physical condition OK?

1	2	3	4	5	6

NOTE: If the straight edge meets the requirements of each check point, place OK in the correct box. If the straight edge fails to meet any of the requirements, it is to be discarded.